

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/500,361B  
Source: 1FW/6  
Date Processed by STIC: 3/16/07

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 03/16/2007

PATENT APPLICATION: US/10/500,361B

TIME: 10:08:41

Input Set : A:\36910111.txt

Output Set: N:\CRF4\03162007\J500361B.raw

3 <110> APPLICANT: TAKAGI, MASARU  
 4     HIRATSU, KEIICHIROU  
 6 <120> TITLE OF INVENTION: GENE AND PEPTIDE FOR TRANSCRIPTIONAL REPRESSOR  
 8 <130> FILE REFERENCE: 036910-0111  
 10 <140> CURRENT APPLICATION NUMBER: 10/500,361B  
 11 <141> CURRENT FILING DATE: 2004-06-28  
 13 <150> PRIOR APPLICATION NUMBER: PCT/JP02/13443  
 14 <151> PRIOR FILING DATE: 2002-12-24  
 16 <150> PRIOR APPLICATION NUMBER: JP 2001-395487  
 17 <151> PRIOR FILING DATE: 2001-12-26  
 19 <150> PRIOR APPLICATION NUMBER: JP 2001-395488  
 20 <151> PRIOR FILING DATE: 2001-12-26  
 22 <150> PRIOR APPLICATION NUMBER: JP 2002-160671  
 23 <151> PRIOR FILING DATE: 2002-05-31  
 25 <160> NUMBER OF SEQ ID NOS: 148  
 27 <170> SOFTWARE: PatentIn Ver. 3.3  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 12  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Nicotiana tabacum  
 34 <400> SEQUENCE: 1  
 35 Asp Leu Asp Leu Asn Leu Ala Pro Pro Met Glu Phe  
 36     1                             5                             10  
 39 <210> SEQ ID NO: 2  
 40 <211> LENGTH: 41  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: Nicotiana tabacum  
 44 <400> SEQUENCE: 2  
 45 cgatcttgat cttaaccttg ctccacctat ggaattttga g     41  
 48 <210> SEQ ID NO: 3  
 49 <211> LENGTH: 45  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Nicotiana tabacum  
 53 <400> SEQUENCE: 3  
 54 tcgactcaaa attccatagg tggagcaagg ttaagatcaa gatcg     45  
 57 <210> SEQ ID NO: 4  
 58 <211> LENGTH: 11  
 59 <212> TYPE: PRT  
 60 <213> ORGANISM: Artificial Sequence  
 62 <220> FEATURE:  
 63 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 64     peptide  
 66 <400> SEQUENCE: 4

*see p.6*

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67 Leu Asp Leu Asn Leu Ala Pro Pro Met Glu Phe
68   1           5           10
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 38
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
78     nucleotide sequence
80 <400> SEQUENCE: 5
81 ccttgatctt aaccttgctc cacctatgga attttgag           38
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 42
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
91     nucleotide sequence
93 <400> SEQUENCE: 6
94 tcgactcaaa attccatagg tggagcaagg ttaagatcaa gg           42
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 11
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
104     peptide
106 <400> SEQUENCE: 7
107 Leu Asp Leu Asn Leu Ala Ala Ala Ala Ala Ala
108   1           5           10
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 38
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
118     nucleotide sequence
120 <400> SEQUENCE: 8
121 ccttgatctt aaccttgctg ctgctgctgc tgcttgag           38
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 42
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
131     nucleotide sequence
133 <400> SEQUENCE: 9
134 tcgactcaag cagcagcagc agcagcaagg ttaagatcaa gg           42
137 <210> SEQ ID NO: 10

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138 <211> LENGTH: 4
139 <212> TYPE: PRT
140 <213> ORGANISM: Arabidopsis thaliana
142 <400> SEQUENCE: 10
143 Leu Asp Leu Asn
144 1
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 17
149 <212> TYPE: DNA
150 <213> ORGANISM: Arabidopsis thaliana
152 <400> SEQUENCE: 11
153 cctggatcta aattaag 17
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 21
158 <212> TYPE: DNA
159 <213> ORGANISM: Arabidopsis thaliana
161 <400> SEQUENCE: 12
162 tcgacttaat ttagatccag g 21
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 5
167 <212> TYPE: PRT
168 <213> ORGANISM: Arabidopsis thaliana
170 <400> SEQUENCE: 13
171 Leu Asp Leu Asn Leu
172 1 5
175 <210> SEQ ID NO: 14
176 <211> LENGTH: 20
177 <212> TYPE: DNA
178 <213> ORGANISM: Arabidopsis thaliana
180 <400> SEQUENCE: 14
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184 <210> SEQ ID NO: 15
185 <211> LENGTH: 24
186 <212> TYPE: DNA
187 <213> ORGANISM: Arabidopsis thaliana
189 <400> SEQUENCE: 15
190 tcgacttaca gatttagatc cagg 24
193 <210> SEQ ID NO: 16
194 <211> LENGTH: 10
195 <212> TYPE: PRT
196 <213> ORGANISM: Arabidopsis thaliana
198 <400> SEQUENCE: 16
199 Leu Asp Leu Glu Leu Arg Leu Gly Phe Ala
200 1 5 10
203 <210> SEQ ID NO: 17
204 <211> LENGTH: 35
205 <212> TYPE: DNA
206 <213> ORGANISM: Arabidopsis thaliana
208 <400> SEQUENCE: 17

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209 cctggatcta gaactccggt tgggtttcgc ttaag 35
212 <210> SEQ ID NO: 18
213 <211> LENGTH: 39
214 <212> TYPE: DNA
215 <213> ORGANISM: Arabidopsis thaliana
217 <400> SEQUENCE: 18
218 tcgacttaag cgaaacccaa acggagttct agatccagg 39
221 <210> SEQ ID NO: 19
222 <211> LENGTH: 8
223 <212> TYPE: PRT
224 <213> ORGANISM: Arabidopsis thaliana
226 <400> SEQUENCE: 19
227 Leu Asp Leu Glu Leu Gly Phe Ala
228 1 5
231 <210> SEQ ID NO: 20
232 <211> LENGTH: 29
233 <212> TYPE: DNA
234 <213> ORGANISM: Arabidopsis thaliana
236 <400> SEQUENCE: 20
237 cctggatcta gaactcgggt tcgcttaag 29
240 <210> SEQ ID NO: 21
241 <211> LENGTH: 33
242 <212> TYPE: DNA
243 <213> ORGANISM: Arabidopsis thaliana
245 <400> SEQUENCE: 21
246 tcgacttaag cgaaaccgag ttctagatcc agg 33
249 <210> SEQ ID NO: 22
250 <211> LENGTH: 11
251 <212> TYPE: PRT
252 <213> ORGANISM: Arabidopsis thaliana
254 <400> SEQUENCE: 22
255 Leu Glu Leu Asp Leu Ala Ala Ala Ala Ala Ala
256 1 5 10
259 <210> SEQ ID NO: 23
260 <211> LENGTH: 38
261 <212> TYPE: DNA
262 <213> ORGANISM: Arabidopsis thaliana
264 <400> SEQUENCE: 23
265 actggaacta gatctagctg cagctgcagc tgcttaag 38
268 <210> SEQ ID NO: 24
269 <211> LENGTH: 42
270 <212> TYPE: DNA
271 <213> ORGANISM: Arabidopsis thaliana
273 <400> SEQUENCE: 24
274 tcgacttaag cagctgcagc tgcagctaga tctagttcca gt 42
277 <210> SEQ ID NO: 25
278 <211> LENGTH: 65
279 <212> TYPE: DNA
280 <213> ORGANISM: Cauliflower mosaic virus

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Input Set : A:\36910111.txt

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282 <400> SEQUENCE: 25
283 agcttagatc tgcaagaccc ttcctctata taaggaagtt catttcattt ggagaggaca 60
284 cgctg 65
287 <210> SEQ ID NO: 26
288 <211> LENGTH: 65
289 <212> TYPE: DNA
290 <213> ORGANISM: Cauliflower mosaic virus
292 <400> SEQUENCE: 26
293 gatccagcgt gtcctctcca aatgaaatga acttccttat atagaggaag ggtcttgcag 60
294 atcta 65
297 <210> SEQ ID NO: 27
298 <211> LENGTH: 24
299 <212> TYPE: DNA
300 <213> ORGANISM: Cauliflower mosaic virus
302 <400> SEQUENCE: 27
303 cgccagggtt ttcccagtca cgac 24
306 <210> SEQ ID NO: 28
307 <211> LENGTH: 37
308 <212> TYPE: DNA
309 <213> ORGANISM: Cauliflower mosaic virus
311 <400> SEQUENCE: 28
312 aagggttaagc ttaaggatag tgggattgtg cgtcac 37
315 <210> SEQ ID NO: 29
316 <211> LENGTH: 19
317 <212> TYPE: DNA
318 <213> ORGANISM: Arabidopsis thaliana
320 <400> SEQUENCE: 29
321 gatggagaga tcaaacagc 19
324 <210> SEQ ID NO: 30
325 <211> LENGTH: 32
326 <212> TYPE: DNA
327 <213> ORGANISM: Arabidopsis thaliana
329 <400> SEQUENCE: 30
330 gataaagtta ttaccgtcga ctttaagcgaa ac 32
334 <210> SEQ ID NO: 31
335 <211> LENGTH: 204
336 <212> TYPE: PRT
337 <213> ORGANISM: Arabidopsis thaliana
339 <400> SEQUENCE: 31
340 Met Glu Arg Ser Asn Ser Ile Glu Leu Arg Asn Ser Phe Tyr Gly Arg
341 1 5 10 15
343 Ala Arg Thr Ser Pro Trp Ser Tyr Gly Asp Tyr Asp Asn Cys Gln Gln
344 20 25 30
346 Asp His Asp Tyr Leu Leu Gly Phe Ser Trp Pro Pro Arg Ser Tyr Thr
347 35 40 45
349 Cys Ser Phe Cys Lys Arg Glu Phe Arg Ser Ala Gln Ala Leu Gly Gly
350 50 55 60
352 His Met Asn Val His Arg Arg Asp Arg Ala Arg Leu Arg Leu Gln Gln
353 65 70 75 80

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/500,361B

DATE: 03/16/2007  
TIME: 10:08:42

Input Set : A:\36910111.txt  
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FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:122; Xaa Pos. 1,5,6  
Seq#:123; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,14,16,17,18,19,20,21  
Seq#:124; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,15,16,17,18,19,20,21  
Seq#:125; Xaa Pos. 1,2,3,6,10,11,12,13,14,15,16,17,18,19  
Seq#:126; Xaa Pos. 3  
Seq#:128; Xaa Pos. 4  
Seq#:129; Xaa Pos. 5  
Seq#:130; Xaa Pos. 3  
Seq#:137; Xaa Pos. 7,8,9,10,11,12,13,14,15,16  
Seq#:138; Xaa Pos. 8,9,10,11,12,13,14,15,16,17  
Seq#:139; Xaa Pos. 9,10,11,12,13,14,15,16,17,18  
Seq#:140; Xaa Pos. 10,11,12,13,14,15,16,17,18,19  
Seq#:141; Xaa Pos. 7,8,9,10,11,12,13,14,15,16  
Seq#:142; Xaa Pos. 8,9,10,11,12,13,14,15,16,17  
Seq#:143; Xaa Pos. 9,10,11,12,13,14,15,16,17,18  
Seq#:144; Xaa Pos. 10,11,12,13,14,15,16,17,18,19  
Seq#:145; Xaa Pos. 7,8,9,10,11,12,13,14,15,16  
Seq#:146; Xaa Pos. 8,9,10,11,12,13,14,15,16,17  
Seq#:147; Xaa Pos. 9,10,11,12,13,14,15,16,17,18  
Seq#:148; Xaa Pos. 10,11,12,13,14,15,16,17,18,19

## VERIFICATION SUMMARY

DATE: 03/16/2007

PATENT APPLICATION: US/10/500,361B

TIME: 10:08:42

Input Set : A:\36910111.txt

Output Set: N:\CRF4\03162007\J500361B.raw

L:1864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0  
L:1894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123 after pos.:0  
M:341 Repeated in SeqNo=123  
L:1927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:0  
M:341 Repeated in SeqNo=124  
L:1960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:0  
M:341 Repeated in SeqNo=125  
L:1982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:0  
L:2011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128 after pos.:0  
L:2030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:0  
L:2049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0  
L:2490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:0  
L:2510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:0  
M:341 Repeated in SeqNo=138  
L:2533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:0  
M:341 Repeated in SeqNo=139  
L:2556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0  
M:341 Repeated in SeqNo=140  
L:2579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0  
L:2599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0  
M:341 Repeated in SeqNo=142  
L:2622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:0  
M:341 Repeated in SeqNo=143  
L:2645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:0  
M:341 Repeated in SeqNo=144  
L:2668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0  
L:2688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:0  
M:341 Repeated in SeqNo=146  
L:2711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:0  
M:341 Repeated in SeqNo=147  
L:2734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:0  
M:341 Repeated in SeqNo=148